

CLAIMS

What is claimed is:

1. An apparatus for examining flat goods of polymeric material having reinforcement structures embedded therein, said apparatus including NMR-MOUSE (Nuclear Magnetic Resonance Mobile Universal Surface Explorer) probes for a nuclear magnetic analysis of the flat goods.

2. An apparatus according to claim 1, comprising a measuring body including a measuring surface area formed by NMR-MOUSE probes for engagement with said flat goods during examination.

3. An apparatus according to claim 2, wherein said NMR-MOUSE probes are disposed at said measuring surface in an arrangement in which they overlap.

4. An apparatus according to claim 3, wherein said NMR-MOUSE probes have predetermined measurement-sensitive ranges and are so arranged that their measurement sensitive ranges overlap.

5. An apparatus according to claim 1, wherein said reinforcement structure comprises reinforcement filaments disposed in parallel within said polymeric material and said NMR-MOUSE probes are arranged adjacent one another in a direction normal to said filaments.

6. An apparatus according to claim 1, wherein said flat goods comprises a hose-like body and said apparatus consists of a cylindrical body with an annular measuring area in which said NMR-MOUSE probes are arranged for examining said hose-like body.

7. An apparatus according to claim 1, wherein said flat goods are examined at a warm state.

8. An apparatus according to claim 1, wherein said NMR-MOUSE probes are alternately controllable for providing measuring signals in succession.